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SUBURBAN ARTISAN SCHOOLS. — The NORTH LONDON SCHOOL at Camden Town, will RE-OPEN on WEDNESDAY EVENING, September 10th. The Art Classes for instruction in Drawing and Modelling will be re-opened on the first evening at 8 p.m. The Geometry Classes for instruction in Perspective and the Elements of Geometrical Drawing, will re-open on Thursday evening, at 8 p.m. The Female Classes will recommence on Thursday Evening, at 8 p.m.

Admission, 2s. per month. The rooms will be open every evening, and attendance given in the Library on Monday evenings. J. NEVILLE WARREN, Hon. Sec.

FIRE-PROOF CONSTRUCTION.—FOX and BARRETT'S PATENT.—The great importance of fire proof construction is shown by the recently published returns of fires in London during the past year, by which it appears that there is a considerable increase as compared with former years, the number actually exceeding 1,000, or an average of three per day.

This result affords strong corroboration of a fact stated upon high authority, THAT NO BUILDING IN WHICH TIMBER JOISTS ARE USED IS PRACTICALLY SECURE FROM THE DANGER OF FIRE; and when to this fact it is added that timber is also liable to dry-rot and the ravages of insects and vermin, for which it affords a ready harbour, the mischief arising from its extensive use will be sufficiently apparent.

It becomes, then, worth the attention of those who are interested in building, to inquire whether materials of an imperishable nature cannot be substituted for timber in the construction of floors, &c., without involving additional cost; and attention is invited to a number of buildings of all classes, either finished or in course of erection, upon the above improved system, in which joists, either of rolled or cast iron, are substituted for timber, together with a solid pavement-floor of concrete, adapted to receive a finished surface of floor or roof of any kind.

Among the buildings at present in progress in London on this system is the new GUY'S HOSPITAL, an extensive range providing accommodation for 200 additional beds; and for building of the description and magnitude, as well as for PRIVATE DWELLING-HOUSES, OFFICES, WAREHOUSES, &c. it possesses very great advantages.

A detailed description of the system, estimates, and all further information, may be obtained on application to the Proprietor of the patent.

MR. BARRETT (late Fox and BARRETT), 18, York-buildings, Adelphi.

whose offices form part of a building erected on this principle, and where specimens of the rolled iron joists may be seen.

THE PERMANENT WAY COMPANY beg to call the attention of Boards of Directors, Engineers, and others interested in railways already made, to the important advantages obtained by fish-pressing the rails, as exhibited by the annexed extract from the Report of the Directors of the Eastern Counties Railway, to the half-yearly meeting of shareholders held on the 28th August. This invention not only saves a large current expense in keeping up the permanent way, but by its causing engines and carriages to run more smoothly, decreases the wear and tear of both the rolling stock, and adds greatly to the comfort and security of the passengers. The Patent Fish-joints have been largely adopted by the Engineers of the following railways in this country and abroad:—

Eastern Counties Railway
East Indian
Edinburgh and Glasgow
Great Northern
Lancashire, Bri kton, and South Coast.
London and North-Western.
Midland.
Metropolitan.
North and South-Western Junction.
Waterford and Limerick.
York and North Midland.
York, Newcastle, and Berwick.

And are also in course of adoption on many other railways. For those not yet furnished with rails, the company drew attention to W. H. Barlow's patent rail, as by its adoption the permanent way may be constructed at the lowest rate per mile, and with greater durability than by any other known system. These rails have been largely adopted by the engineers of the following:—

Dublin and Belfast Railway
London and South Western.
Midland.
Midland Great Western (Irish).
Newport and Abergavenny
South Wales.
West Cornwall.

The Patent Cast-iron Sleepers of Mr. P. W. Barlow are adapted to double-headed rails of any pattern, and supersede or replace wooden sleepers. They were adopted on the

East Indian,
Midland,
East Lancashire,
Londonderry and Enniskillen,

and several other lines.

The Permanent Way Company confines itself entirely to the granting licences to use their various patents, which is done upon very moderate terms. Every information may be obtained by applying to Mr. CHARLES MAY, C.E. 3, Great George-street, Westminster; or to WILLIAM HOWDEN, Secretary, 28, Great George-street.

Extract from the report of the Directors of the Eastern Counties Railway to the half-yearly meeting of Shareholders held on the 28th of August:—

"The system of 'fish-jointing' has hitherto fully borne out Mr. Ashcroft's reports, as giving a smoother road, with less wear and tear to the rolling stock, and at a much reduced expenditure in maintenance."

Extract from the report presented to the half-yearly meeting of the West Cornwall Railway, held on the 29th August:—

"The result of the three months' working of the new rails between Penzance and Camborne has fully borne out the expectations which had been formed as to the durability of the description of rail which, under Mr. Brunel's advice, has been employed in the construction of that part of the line; and the attention of the board having been directed to the bad state of the permanent way on the old line, and the economy and efficiency of the working which would arise from relaying that portion with Barlow's rails, they have given orders for this to be done, and it is now nearly completed."

THE PERMANENT WAY COMPANY beg to inform Boards of Directors, Engineers, and others, interested in railways, that in order to facilitate arrangements for the use of their patented improvements, now so extensively adopted, they have arranged with Mr. CHARLES MAY, Civil Engineer, 3, Great George-street, Westminster (formerly of the firm of Rendel and May, Ipswich), to manage their transactions. Communications made either to him, or to the undersigned, will meet with prompt attention.

WILLIAM HOWDEN, Secretary, Offices, 28, Great George-street, Westminster.

THE GOLD FIELDS of AUSTRALIA.—This New Moving PANORAMA, painted by J. B. Provot, from a Sketch taken on the spot, is EXHIBITED daily at 12, Regent-street, near the Polytechnic. Among the principal scenes are:—Plymouth Sound—Madeira—Cape of Good Hope—Spanish Town Whale Fishing—Melbourne—Geelong—The Road to the Diggings—Mount Alexander—Sydney—The Blue Mountains—Summer-hill Creek—Ophir—Encampment of Gold Diggers by Moonlight. In taking Leave, kindly thank the persons about to be described by one personally connected with the Colony. Mr Provot has for a short time, consented that Admission is Reserved Seats, 3s.; Gallery, 2s. As Three and Eight o'clock.

ROYAL COLOSSEUM (every MONDAY at HALF PRICE).—The Panorama of London, Saloon of Sculpture, Conservatories, Gothic Aviary, Swiss Cottages, &c. &c. Open daily from half-past Ten till Five o'clock. In the Evening, from Seven till Ten.—Parts by Night, and the whole Establishment brilliantly illuminated.—Admission, Day or Evening, 1s. Children and Schools half-price.

CYCLORAMA.—LAST WEEK of the CRYSTAL PALACE, exhibited Daily at Three, Evening at Eight. Admission, 1s. These magnificent Tableaux will be withdrawn after SATURDAY NEXT, an engagement having been made with the celebrated Company of Hungarian Musicians, who will commence their Concerts on MONDAY, Sept. 8th.

PATRON—H. R. H. PRINCE ALBERT

ROYAL POLYTECHNIC INSTITUTION.—Lectures by J. H. Pepper, esq. on Testing Gold, and on the Australian Gold Districts.—By Dr. Bachhoffner, on the Patent Polytechnic Gas Fire; and on the Mode of Preserving Fresh Provisions, illustrated by Specimens from Messrs. Rimmels and McCall, and Samples of Fairchild's published Preserved Milk, and Moore's Patent Concentrated Milk.—By Mr. Crispe, on Morrall's Patent Needles.—By George Buckland, esq. on Music, entitled "Musical Varieties," with Vocal Illustrations, assisted by Miss Blanche Younge, M.A. of Music.—New Series of Dissolving Views, &c. &c.—Admission, 1s.; Schools and Children under ten years of age half-price. For hours see Programme.

JENNINGS'S PATENT SHOP SHUTTER-SHOE and FASTENER costs HALF the PRICE of the unsightly SHUTTER BAR.

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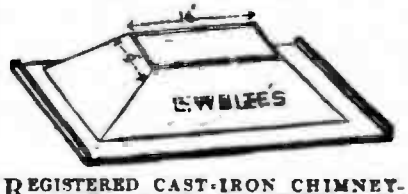

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